

MSDS - AMMONIUM PICRATE

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: AMMONIUM PICRATE (SARA III)
Ingredient Sequence Number: 01
Percent: >90
NIOSH (RTECS) Number: BS3855000
CAS Number: 131-74-8
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: WATER (CONTAMINANT)
Ingredient Sequence Number: 02
Percent: >10
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics

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Appearance And Odor: CRYSTALS;YELLOW;ODOR NOT REPORTED
Boiling Point: 793F,423C
Melting Point: DECOMPOSES
Specific Gravity: 1.7
Solubility In Water: SLIGHT
Magnetism (Milligauss): N/P
Report for NIIN: 00D002973

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Fire and Explosion Hazard Data

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Flash Point Method: N/P
Extinguishing Media: DRY CHEMICAL,SAND,WATER SPRAY OR FOAM.
Special Fire Fighting Proc: SUBSTANCE DOES NOT BURN READILY ITSELF.USE
FLOODING QUANTITIES OF WATER AS A FOG AND TO COOL FIRE EXPOSED CONTAINERS.
SPRAY WATER FROM AS FAR AWAY AS POSSIBLE.
Unusual Fire And Expl Hazrds: DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT
OR FLAME.



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Reactivity Data
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Stability: NO
Cond To Avoid (Stability): EXPLOSION HAZARD WHEN EXPOSED TO SHOCK, HEAT,
FLAMES (ESP. WHEN CONTAMINATED WITH METALS).
Materials To Avoid: METAL PICRATES (EXPLODES), METALS (EXPLODES AT 572F),
REDUCING MATERIALS (VIGOROUS REACTION).
Hazardous Decomp Products: AMMONIA FUMES (CORROSIVE), OXIDES OF NITROGEN AND
CARBON (TOXIC).
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE

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Health Hazard Data
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LD50-LC50 Mixture: NOT REPORTED
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: INHAL: IRRITANT. SKIN: IRRITANT/SENSITIZER. ITEM
IS DERMALLY ABSORBED, POSSIBLY TO TOXIC LEVELS. EYES: IRRITATION. INGEST: TOXIC.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: AMMONIUM PICRATE HAS NO CARCINOGENICITY
STATUS.
Signs/Symptoms Of Overexp: INHAL: MUCUOUS MEMBRANE IRRITATION, RHINITIS.
SKIN: SENSITIZATION DERMATITIS. ABSORPTION (THROUGH INHAL OR INGEST) CAUSES
NAUSEA, VOMITING, DIARRHEA, ABDOM. PAIN, YELLOWING OF SKIN, SKIN ERUPTIONS,
STUPOR, CONVULSIONS, DEATH. EYES: CONJUNCTIVITIS (FROM ACUTE AND CHRONIC
EXPOSURE).
Med Cond Aggravated By Exp: NOT REPORTED.
Emergency/First Aid Proc: INHAL: REMOVE FROM EXPOSURE. SUPPORT
BREATHING. CALL PHYSICIAN; TREAT SYMPTOMATICALLY. SKIN: REMOVE CONTAMINATED
CLOTHING AND SHOES; WASH WITH SOAP (OR MILD DETERGENT) FOR 15-20 MINUTES. CALL
PHYSICIAN. EYE: WASH WITH WATER OR NORMAL SALINE FOR 15-20 MINUTES. CALL
PHYSICIAN. INGEST: INDUCE VOMITING (IF CONSCIOUS); KEEP HEAD BELOW HIPS. GET
PROMPT MEDICAL HELP.
Report for NIIN: 00D002973

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: SHUT OFF IGNITION SOURCES. DO NOT TOUCH SPILL.
SMALL SPILL: FLUSH AREA WITH WATER. LARGE SPILL: WET DOWN WITH WATER AND DIKE
FOR LATER DISPOSAL. REPORTABLE QUANTITY=10 POUNDS.
Neutralizing Agent: NOT KNOWN.
Waste Disposal Method: NOT SPECIFIED BY MANUFACTURER. FOLLOW FEDERAL, STATE

AND LOCAL REGULATIONS.

Precautions-Handling/Storing: THIS MATERIAL EXPLODES EASILY WHEN DRY FROM HEAT OR SHOCK.

Other Precautions: NONE.

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Control Measures
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Respiratory Protection: BY INCREASING LEVELS:1-A DUST AND MIST RESPIRATOR+FULL FACEPIECE.2-AIR-PURIFYING FULL FACEPIECE RESPIRATOR+HEPA FILTER.3-POWERED AIR-PURIFYING RESP.+HEPA FILTER.4-TYPE C,AIR SUPPLIED RESP.4-SCBA IN POSITIVE PRESSURE MODE.

Ventilation: PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION.

MECHANICALS SHOULD BE EXPLOSION-PROOF.

Protective Gloves: CHEMICALLY RESISTANT.

Eye Protection: SPLASH AND DUST RESISTANT GOGGLES.

Other Protective Equipment: USE IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.AN EYE WASH STATION AND QUICK DRENCH SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: USE PRUDENT HYGENIC AND SANITARY PRACTICES.WASH HANDS.KEEP FOOD AOUT OF THE WORK AREA.

Suppl. Safety & Health Data: NONE.

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Transportation Data
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Trans Data Review Date: 93061

DOT PSN Code: AST

DOT Proper Shipping Name: AMMONIUM PICRATE

DOT Class: 1.1D

DOT ID Number: UN0004

DOT Pack Group: II

DOT Label: EXPLOSIVE 1.1D

IMO PSN Code: BAL

IMO Proper Shipping Name: AMMONIUM PICRATE

IMO Regulations Page Number: 1104

IMO UN Number: 0004

IMO UN Class: 1.1 D

IMO Subsidiary Risk Label: -

IATA PSN Code: BQR

IATA UN ID Number: 0004

IATA UN Class: 1.1D

Report for NIIN: 00D002973

AFI Prop. Shipping Name: UNDER REVIEW

Additional Trans Data: REPORTABLE QUANTITY=10 LBS.MFR SUGGESTS DOT-EXPLOSIVE A;UN 0004.

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 02MAR93
MFR Label Number: UNKNOWN
Label Status: F
Common Name: AMMONIUM PICRATE
Chronic Hazard: YES
Signal Word: DANGER!
Acute Health Hazard-Severe: X
Report for NIIN: 00D002973
Contact Hazard-Severe: X
Fire Hazard-Severe: X
Reactivity Hazard-Severe: X
Special Hazard Precautions: INHAL:IRRITANT.SKIN:IRRITANT/SENSITIZER.ITEM
IS DERMALLY ABSORBED,POSSIBLY TO TOXIC LEVELS.EYES:IRRITATION.INGEST:TOXIC.
INHAL:REMOVE FROM EXPOSURE.SUPPORT BREATHING.CALL PHYSICIAN;TREAT
SYMPTOMATICALLY.SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES;WASH WITH
SOAP(OR MILD DETERGENT) FOR 15-20 MINUTES.CALL PHYSICIAN.EYE:WASH WITH
WATER OR NORMAL SALINE FOR 15-20 MINUTES.CALL PHYSICIAN.INGEST:INDUCE
VOMITING(IF CONSCIOUS);KEEP HEAD BELOW HIPS.GET PROPMT MEDICAL HELP.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y